

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 59-195312

(43)Date of publication of application : 06.11.1984

(51)Int.Cl.

G11B 5/12

G11B 5/25

G11B 5/27

(21)Application number : 58-069481

(71)Applicant : NEC CORP

(22)Date of filing : 20.04.1983

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(54) VERTICAL MAGNETIC HEAD

(57)Abstract:

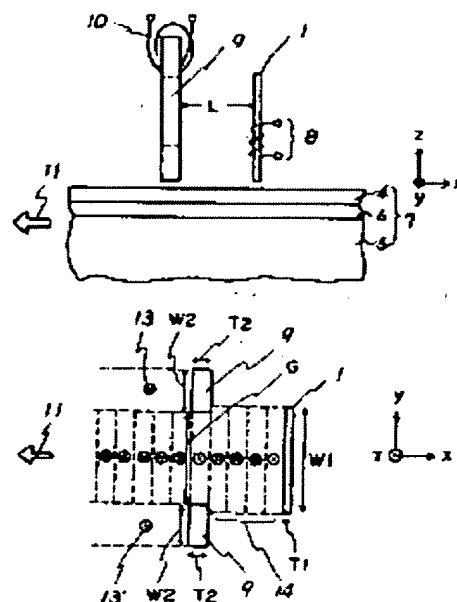
PURPOSE: To provide additionally a tunnel erasion function and thereby to improve the off-track characteristics by setting a horseshoe magnetic material of high permeability and a main magnetic pole as opposed to each other so that the horizontal width of the main magnetic pole overlap completely the driving direction of a vertical magnetic recorder to the gap width.

CONSTITUTION: A horseshoe magnetic material 9 of high permeability is set at the front side of a main magnetic pole 1 in the driving direction 11 of a vertical magnetic recorder 7. The signal magnetization 14 having a track width W1 is recorded to a recording medium 4 by the pole 1 in response to the drive of the recorder 7.

Then magnetizations 13 and 13' of opposite directions to each other with width W2 are recorded with a gap G by the material 9. The

vertical width of the pole 1 overlaps completely the driving direction of

the device 7 to the gap G. Therefore the matter 9 has a function to trim and erase both ends of a recording track 14 recorded by the pole 1. Thus the material 9 has an effective tunnel erasing function to the recorder 7.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of
rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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